Cutlery Sources

British Cutlery Sources

1894

[This Drawing is a reproduction of the Original on a reduced scale.]

(1 SHEET)

Fig. 1.

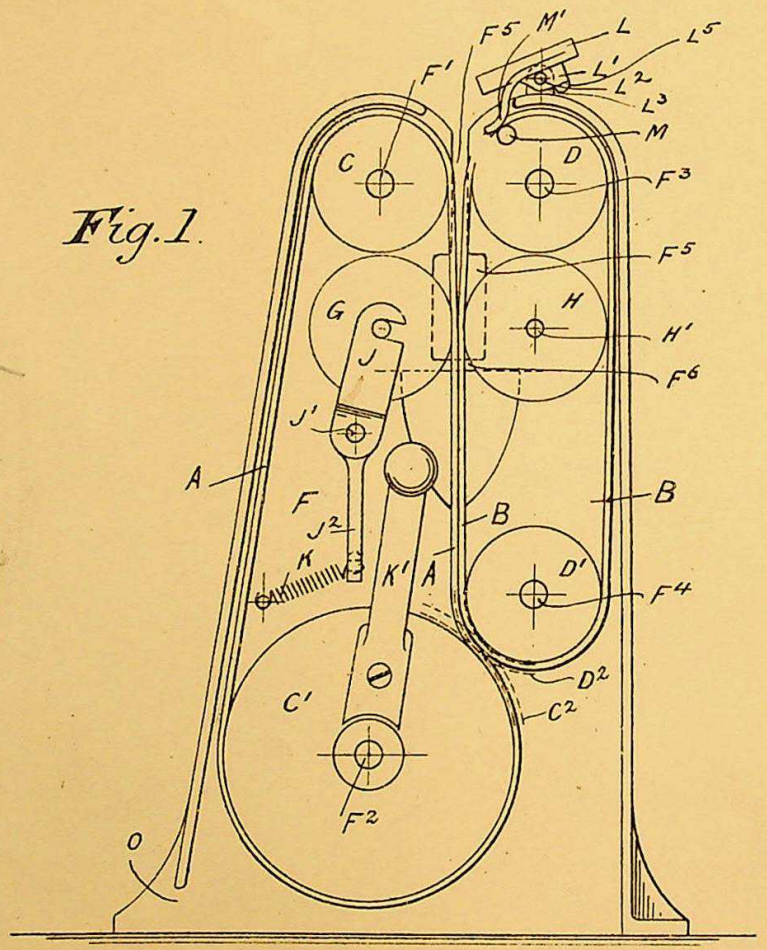
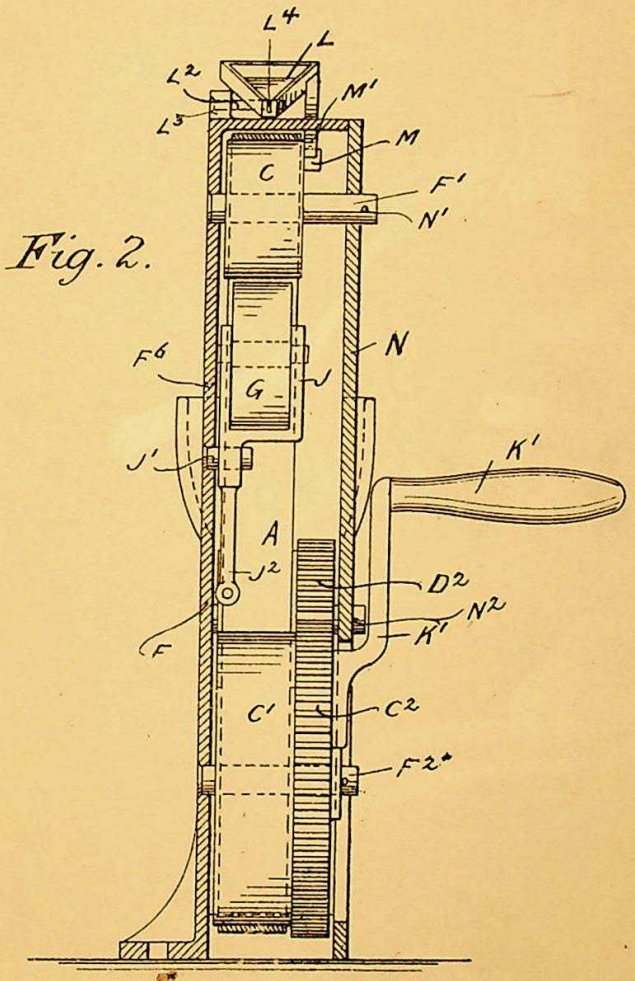


Fig. 2.



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DUPLICATE.

N° 19,259 A.D. 1894

Date of Application, 10th Oct., 1894

Complete Specification Left, 10th July, 1895—Accepted, 7th Sept., 1895

PROVISIONAL SPECIFICATION.

Improvements in or relating to Machines for Cleaning or Polishing Knives and other Articles.

I, MARTIN WILLIAM WRIGHT of 50 Dale Street, Leicester, Engineer, do hereby declare the nature of this invention to be as follows :—

The object of this invention is to provide a machine for the purpose of cleaning or polishing knives and other articles and which shall be simple in construction and inexpensive as regards cost.

According to this invention the knives or other articles to be cleaned or polished are placed between the surfaces or adjacent faces of a travelling belt or belts receiving motion by passing over pulleys or rollers having bearings in a suitable framing, one or more of the said pulleys being positively driven by gearing and a handle connected to the driving wheel.

The said belt or belts may be coated or supplied with emery powder or other polishing material and may be tensioned by a lever or levers with rollers thereon in contact with the belts, or other suitable means, for keeping the faces of the belts close to each other and to facilitate the polishing of the articles referred to.

The pulleys or rollers over which the belts pass may if desired have spring bearings and any suitable guide or device may be used to hold the knife in position while being cleaned or polished.

Dated this 10th day of October 1894.

W. P. THOMPSON & BOULT,
Agents for the Applicant.

COMPLETE SPECIFICATION.

Improvements in or relating to Machines for Cleaning or Polishing Knives and other Articles.

I, MARTIN WILLIAM WRIGHT of 50 Dale Street, Leicester, Engineer do hereby declare the nature of this invention and in what manner the same is to be performed to be particularly described and ascertained in and by the following statement :—

The object of this invention is to provide a machine for cleaning or polishing knives or other articles and which shall be simple in construction and inexpensive as regards cost.

According to this invention the knives or other articles to be cleaned or polished are placed between the surfaces or adjacent faces of a travelling belt or belts receiving motion by passing over pulleys or rollers having bearings in a suitable framing, one or more of the said pulleys being positively driven by gearing and a handle connected to the driving wheel.

The said belt or belts may be coated or supplied with emery powder or other polishing material and may be tensioned by a lever or levers with rollers thereon in contact with the belts or other suitable means for keeping the faces of the belts close to each other and to facilitate the polishing of the articles referred to.

[*Price 8d.*]

The invention will be more clearly understood by reference to the drawing accompanying this Specification.

Figure 1 is a side view of the machine with the front plate removed and Figure 2 is a vertical cross section.

A. A. & B. B. are the belts which pass round the pulleys or rollers C. C^1 & D. D^1 respectively and are actuated thereby.

The rollers C C^1 D D^1 are carried on studs F^1 F^2 F^3 F^4 which are rivetted or otherwise secured to the frame or stand F.

The rollers G. H. are of rubber the latter roller being carried on a stud H^1 fixed in the frame F while the former is carried in the upper end of the tension lever J.

The tension lever J is pivotted at J^1 and is provided with an arm J^2 the lower end of which is engaged by the spring K. By means of the said spring the roller G is kept in close contact with the belt A. The upper end of the lever J is forked as shown in Figure 2 to surround the roller G.

The rollers C^1 D^1 are driven by the spur wheels C^2 D^2 formed integrally therewith or attached thereto, the said wheel C^2 having a handle K^1 secured thereon.

The knives or other articles to be cleaned are inserted through the opening F^5 the lower part being widened to allow the knives to be inserted right up to the haft, the thickened edge of the blade resting upon the strip F^6 forming the bottom of such opening, and the two faces of the knife receiving a polish simultaneously from the belts A. B. as before described.

On the top of the frame F is carried a hopper L in which is placed the emery powder or other polishing material. On the underside of the hopper a lug L^1 passes over a pin L^2 carried in a lug L^3 on the frame F.

To give the requisite intermittent movement to cause the flow of the polishing powder from the hopper a stud M is fixed in the side of the roller D and at each revolution of the latter the stud M comes into contact with the arm M^1 on the side of the hopper L, thereby slightly raising the latter and immediately afterwards allowing it to drop, causing a flow of the powder through the opening L^4 in the front of the hopper.

A tongue L^5 is cast on the lug L^1 under the hopper L to prevent the removal, accidental or otherwise, of the hopper without the removal first of the front plate N. It is obvious that the machine would be equally efficient without the plate N but when used the said plate may be kept in position by split pins N^1 N^2 passing through the studs F^1 D^1 respectively.

A portion of the frame F is cut away at O, Fig. 1 to allow of the insertion of a tray to catch any dust that may drop from the interior of the machine.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is;—

1. In a cleaning or polishing machine the combination with the belts of rollers such as G. H. and lever such as J operating substantially as described.
2. In a cleaning or polishing machine the combination with the belts of a hopper or hoppers such as L operating in the manner and for the purpose described.
3. The improved cleaning or polishing machine consisting of the parts constructed arranged and operating substantially in the manner described and illustrated in the accompanying drawing.

Dated this 9th day of July 1895.

MARTIN WILLIAM WRIGHT.

W. P. Thompson & Co.,
31, High Holborn, London, W.C., Patent Agents for the Applicant.

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